

Fig. 1A

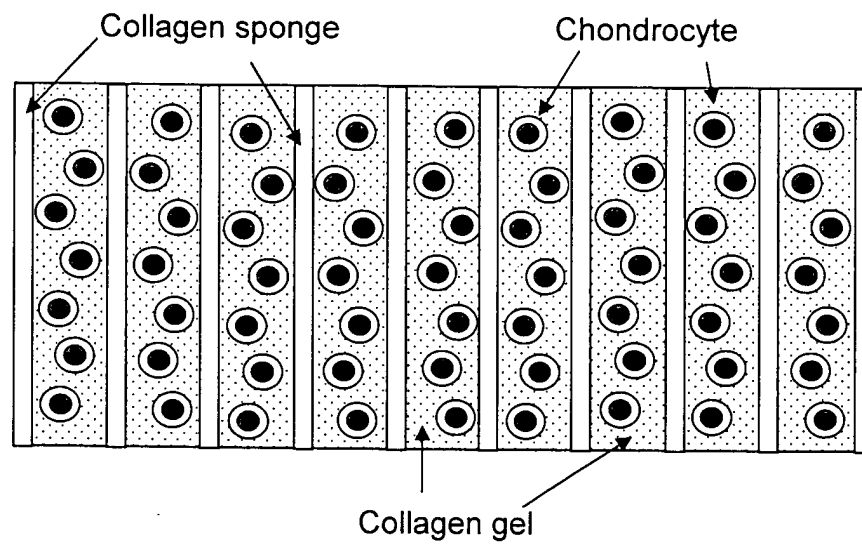


Fig. 1B

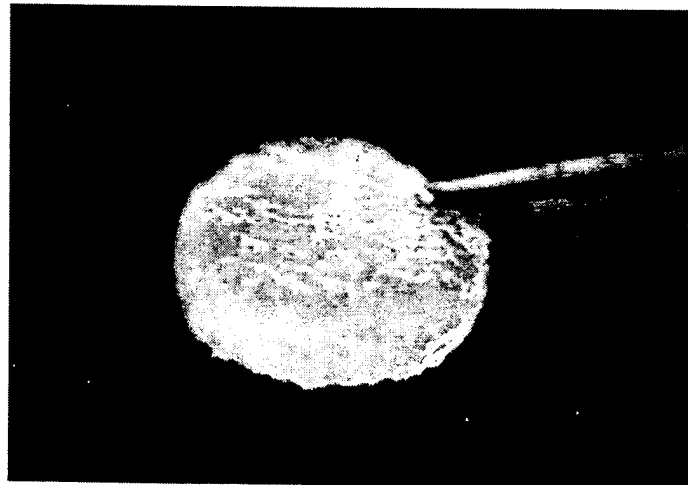


Fig. 2A

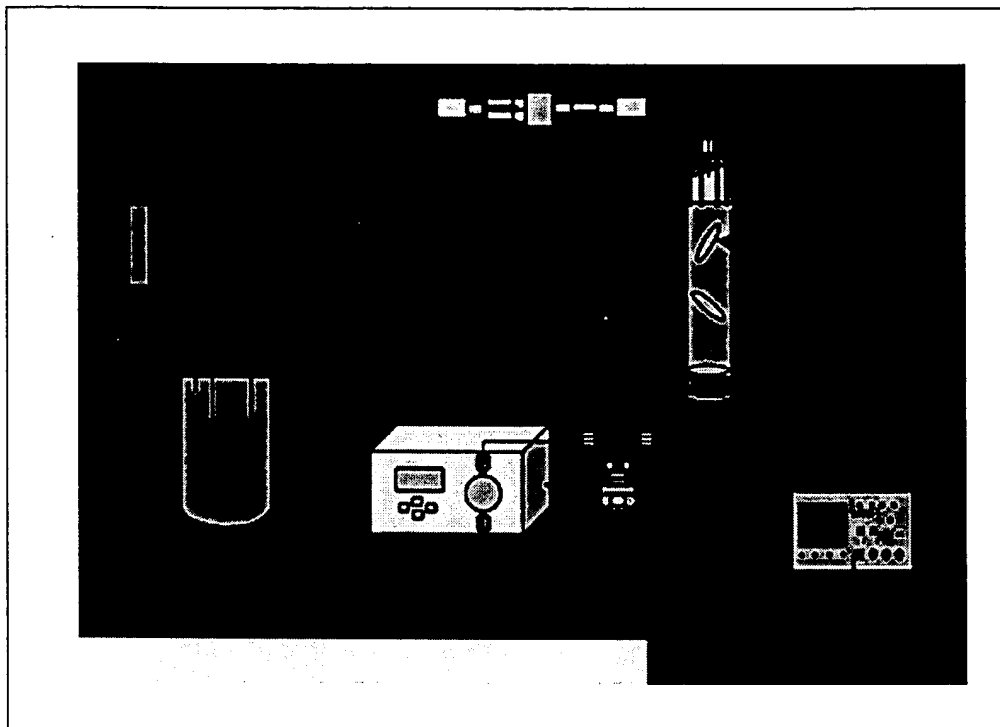
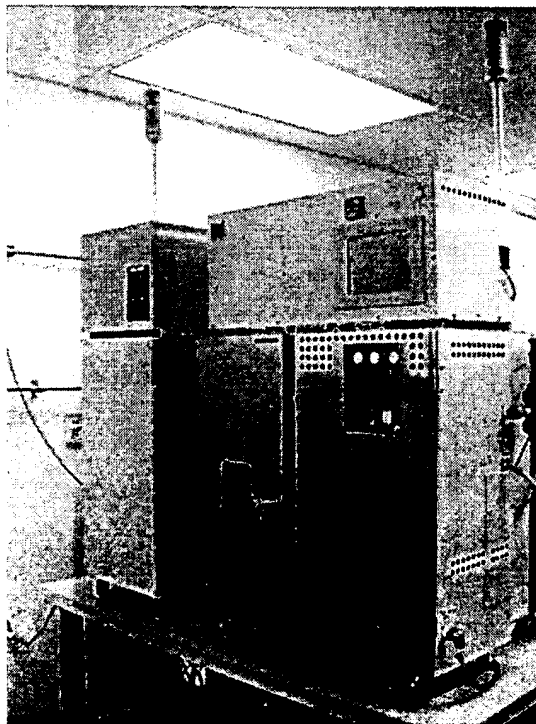


Fig. 2B



- Hydrostatic static pressure
- Medium flow rate
- Gas concentration
- Temperature setting

Fig. 3A

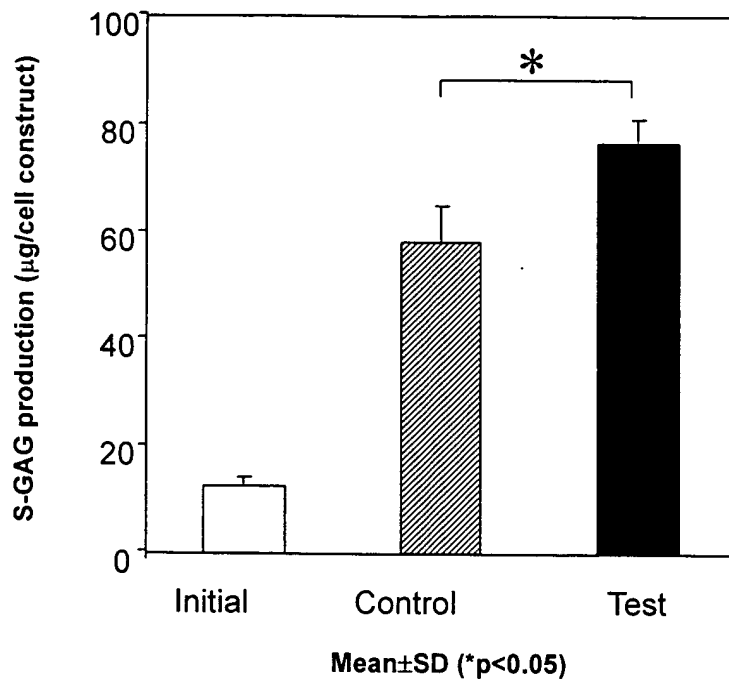


Fig. 3B



Fig. 3C



*: S-GAG accumulation

Collagen sponge

Fig. 4A

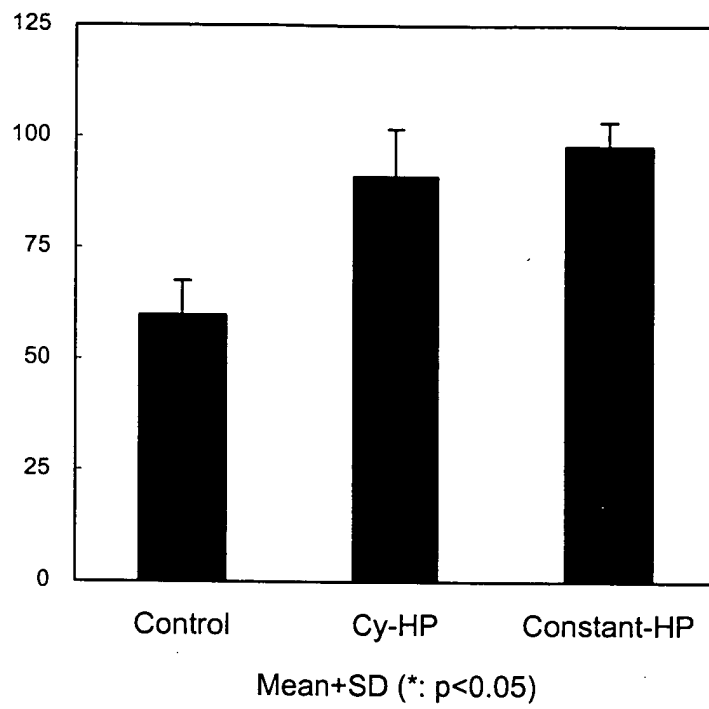


Fig. 4B

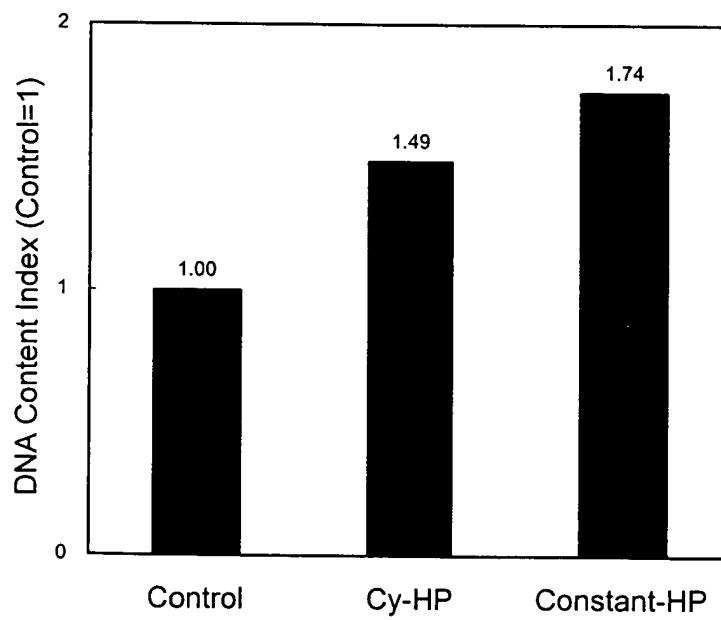
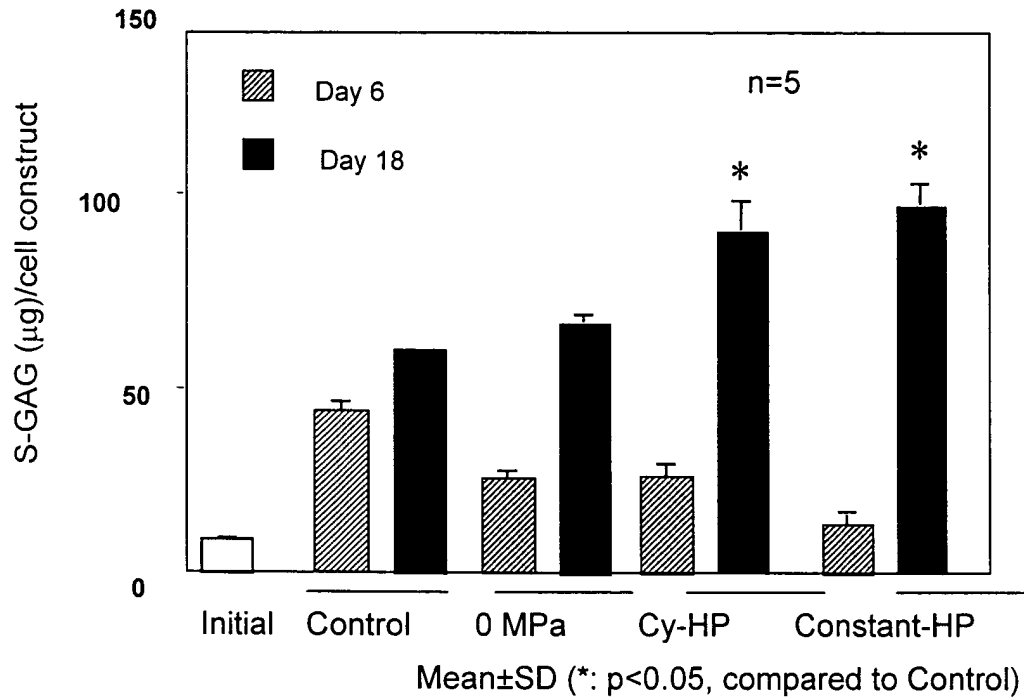


Fig. 5A



(*: p<0.05, compared to Static, **: p<0.05, compared to

Fig. 5B

0 MPa)

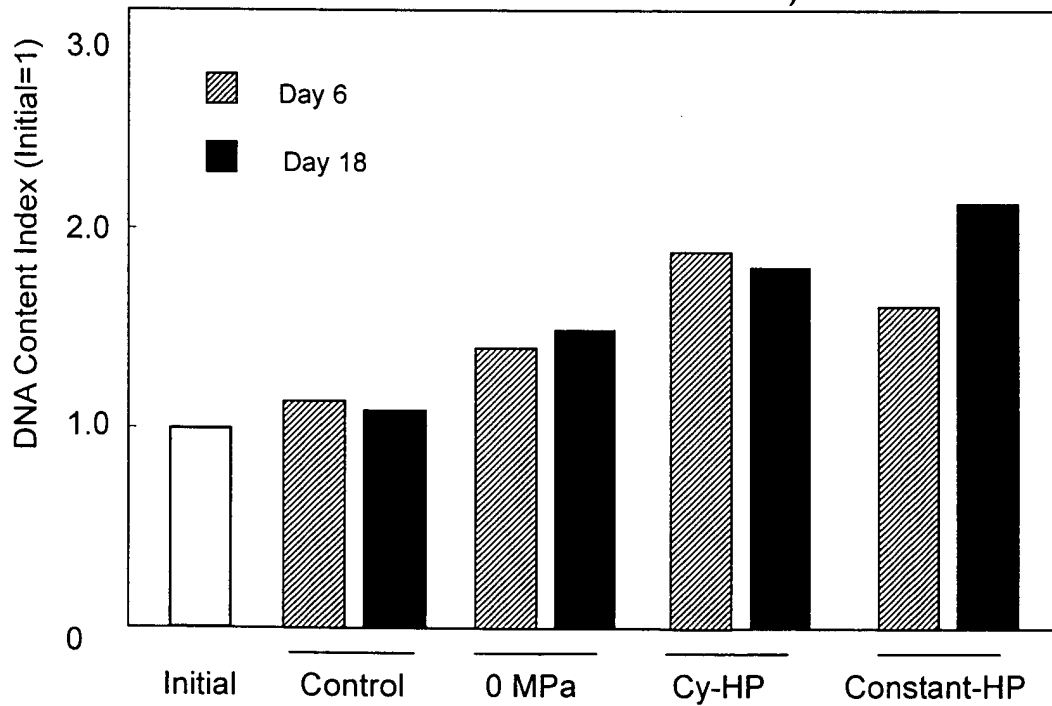
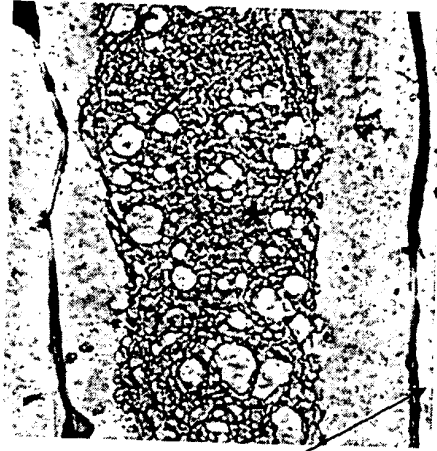


Fig. 6A



Fig. 6B



***: S-GAG accumulation (Day 18)**

Collagen sponge

Fig. 6C



Fig. 6D



***: Type II collagen accumulation (Day 6)**

Fig. 7A

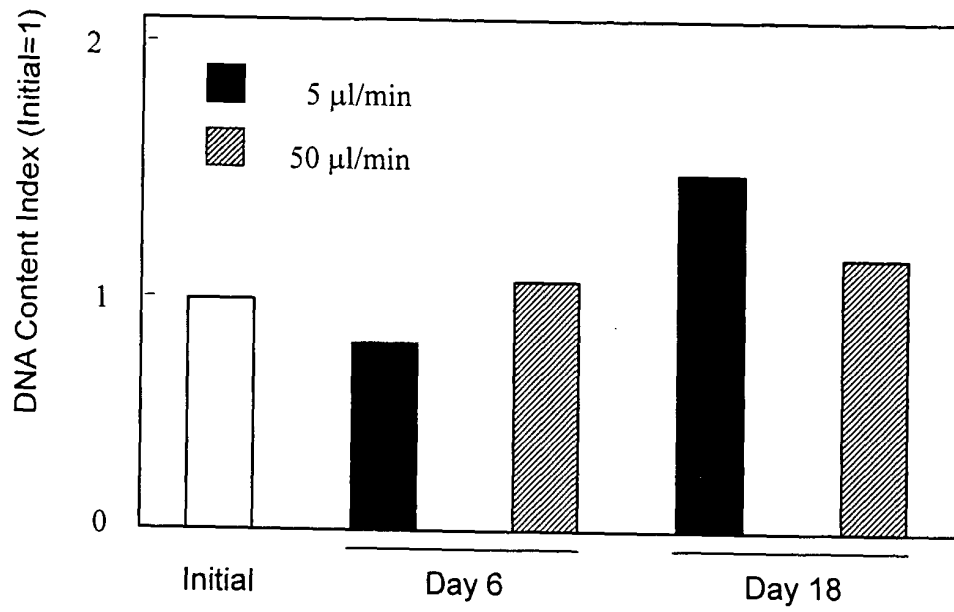


Fig. 7B

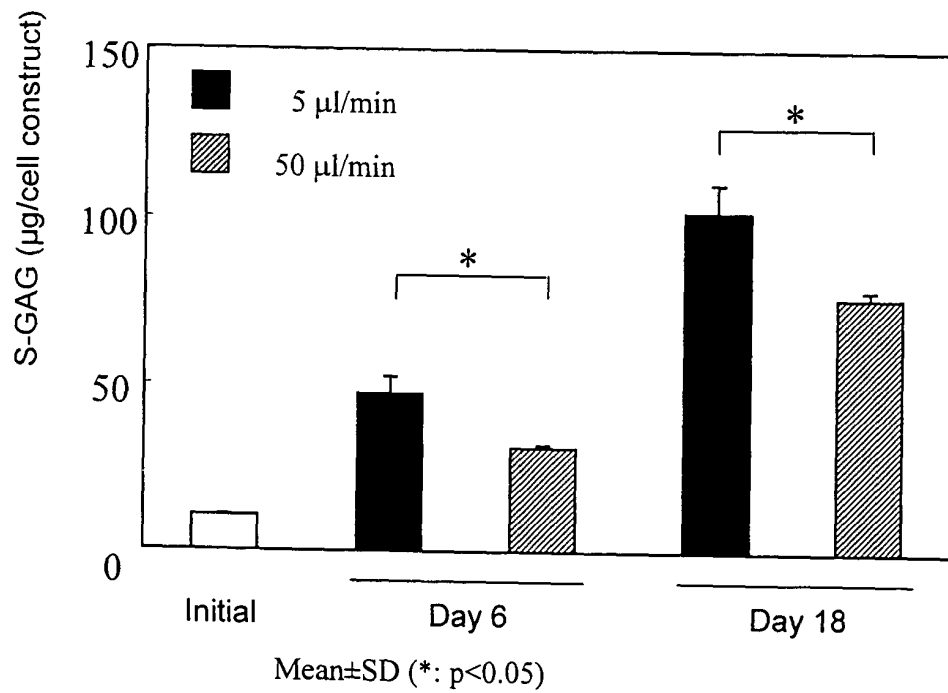


Fig. 8A

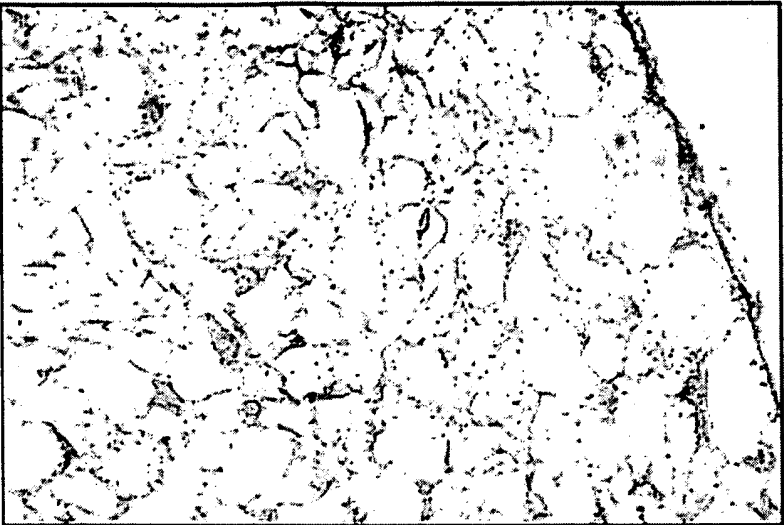


Fig. 8B

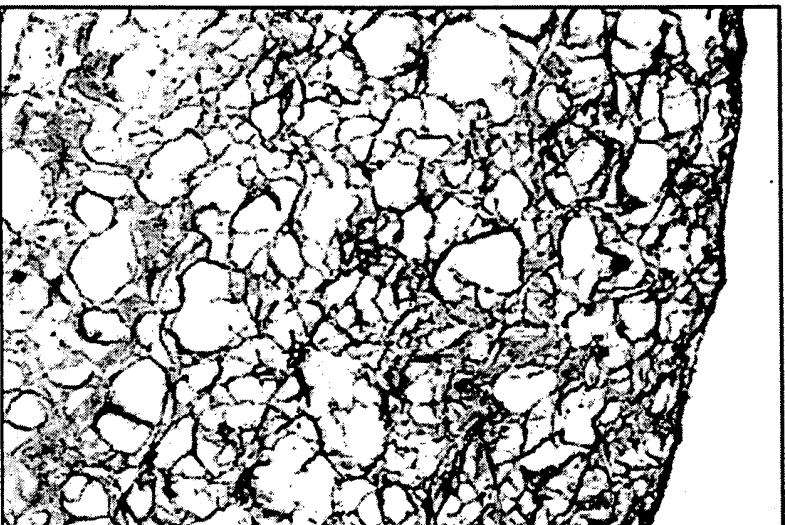


Fig. 8C

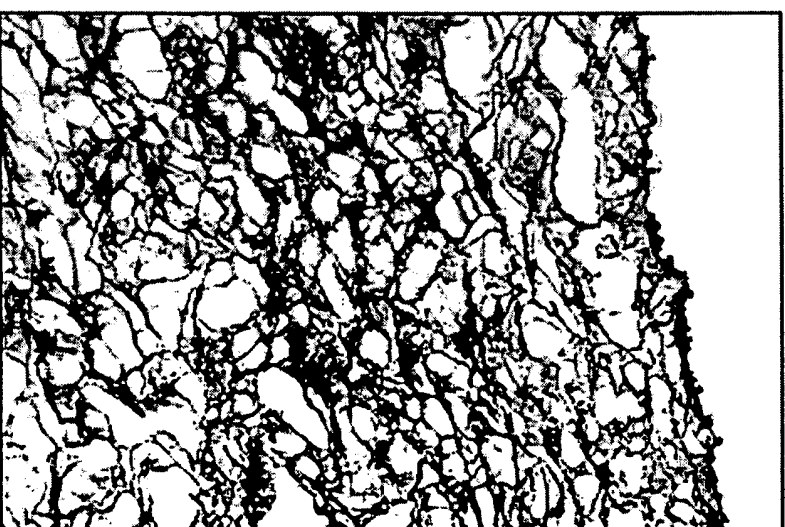


Fig. 9A

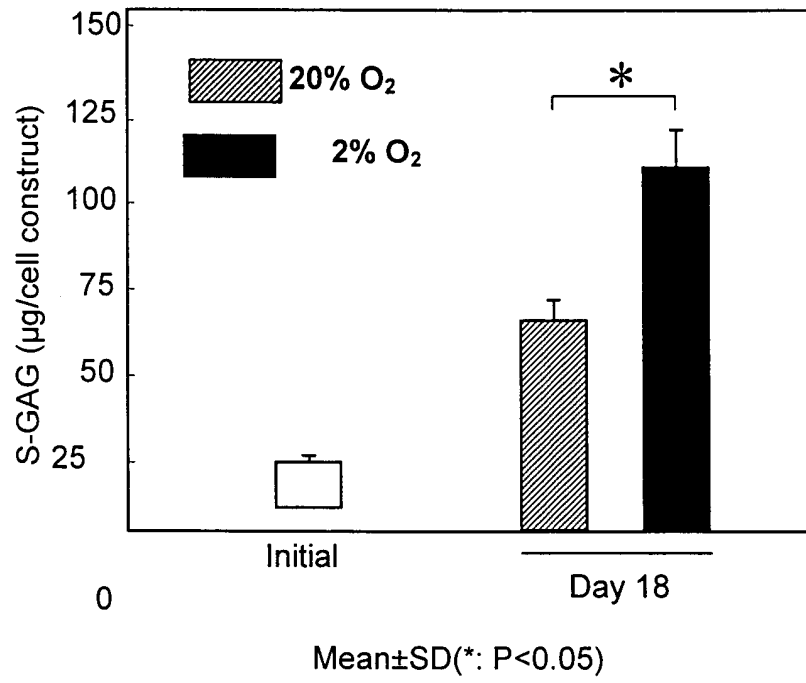


Fig. 9B

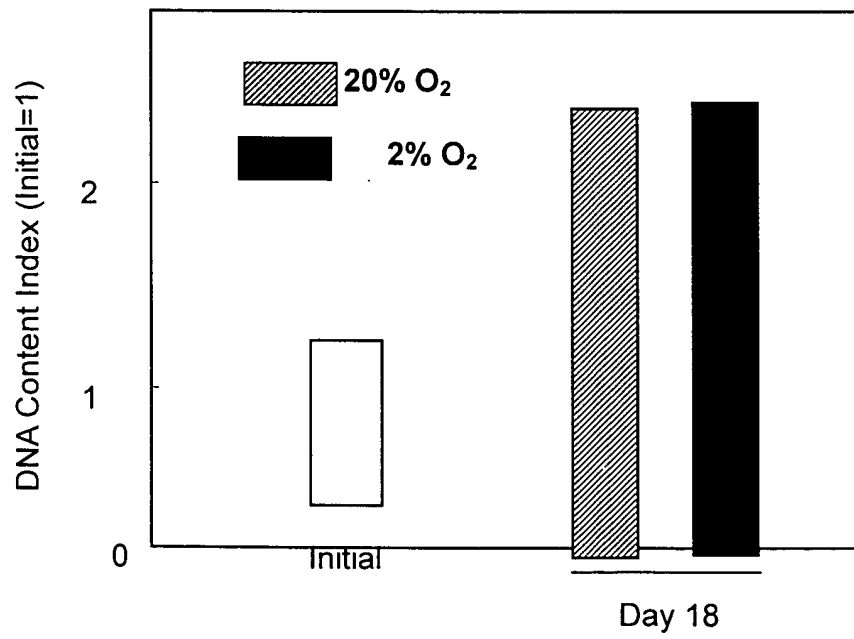


Fig. 10A

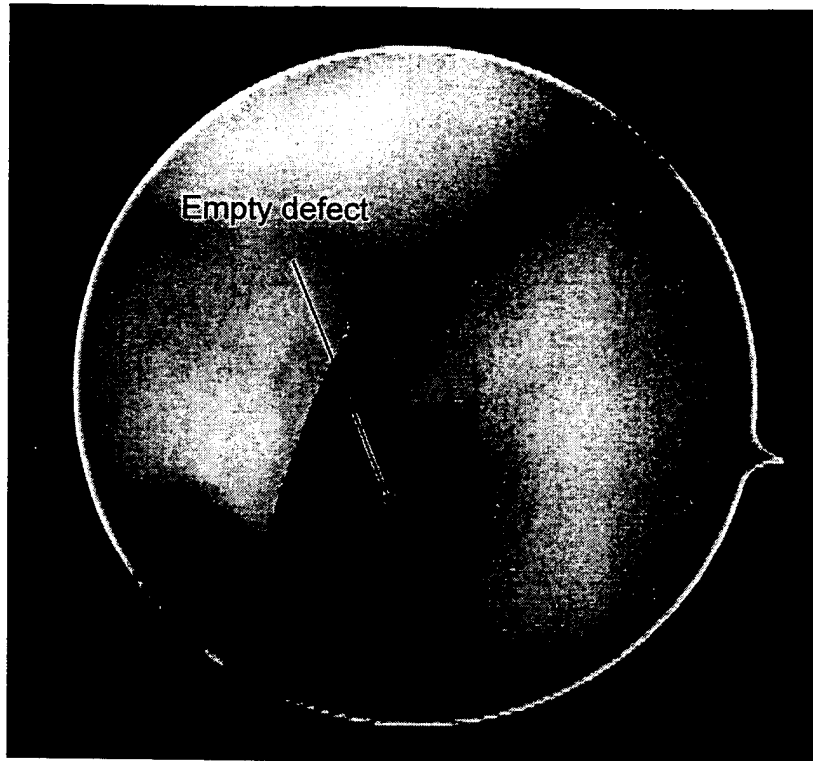


Fig. 10B

Superficial cartilage layer

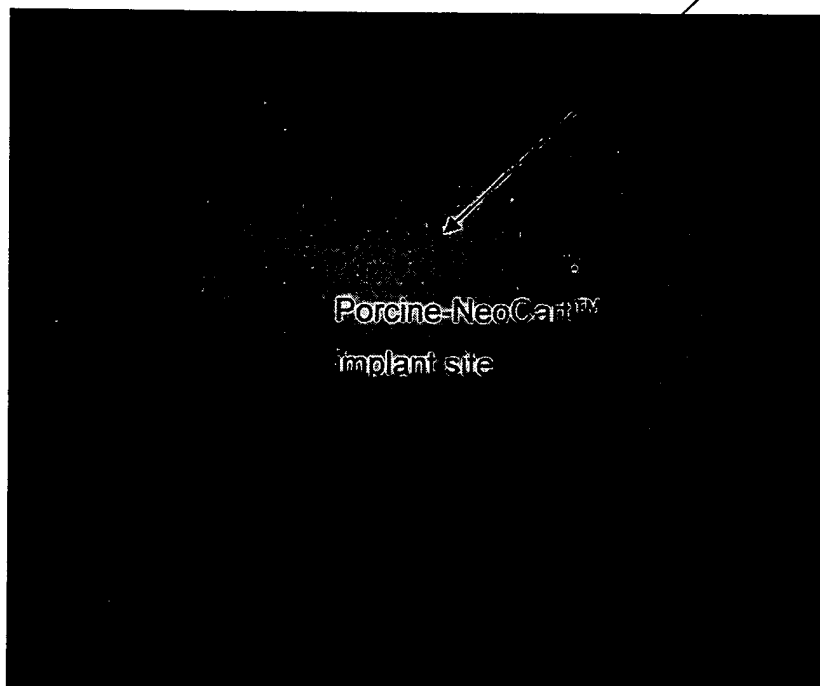
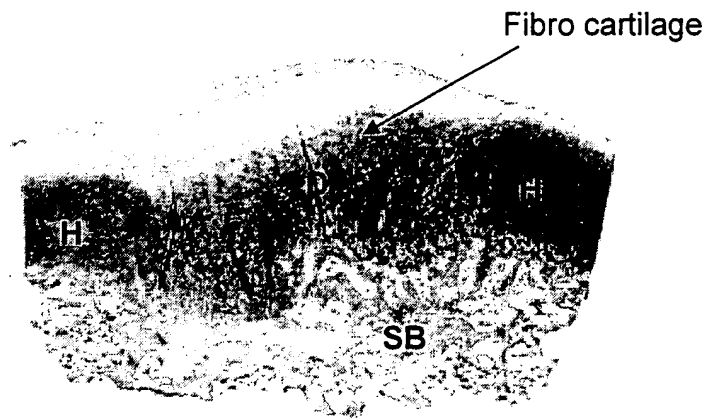
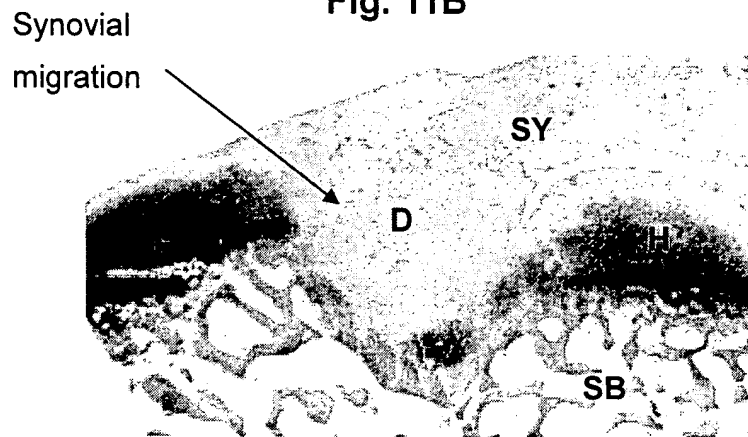


Fig. 11A



H: Host cartilage, D: Defect site, SB: Subchondral bone

Fig. 11B

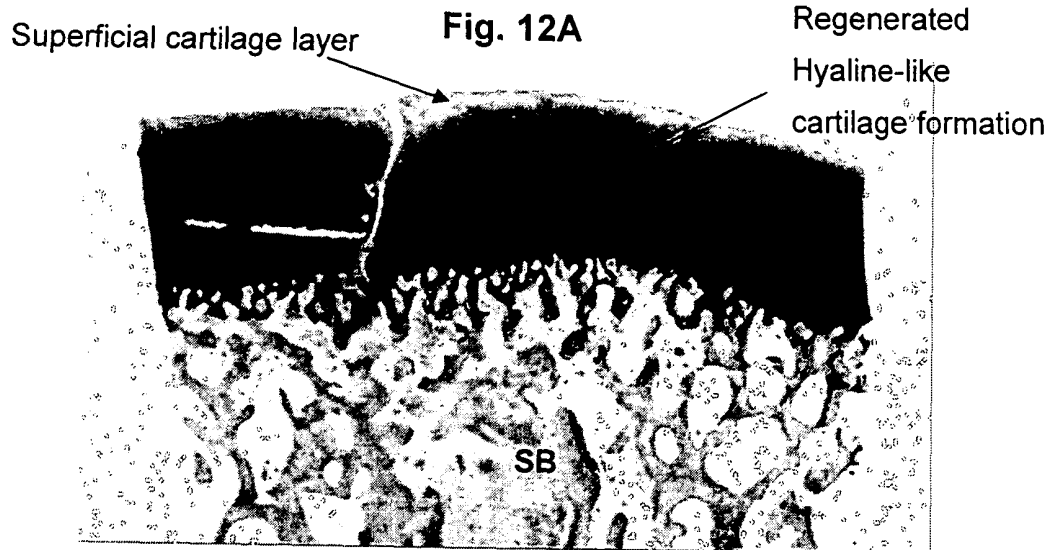


H: Host cartilage, D: Defect site, SB: Subchondral bone, SY: Synovium

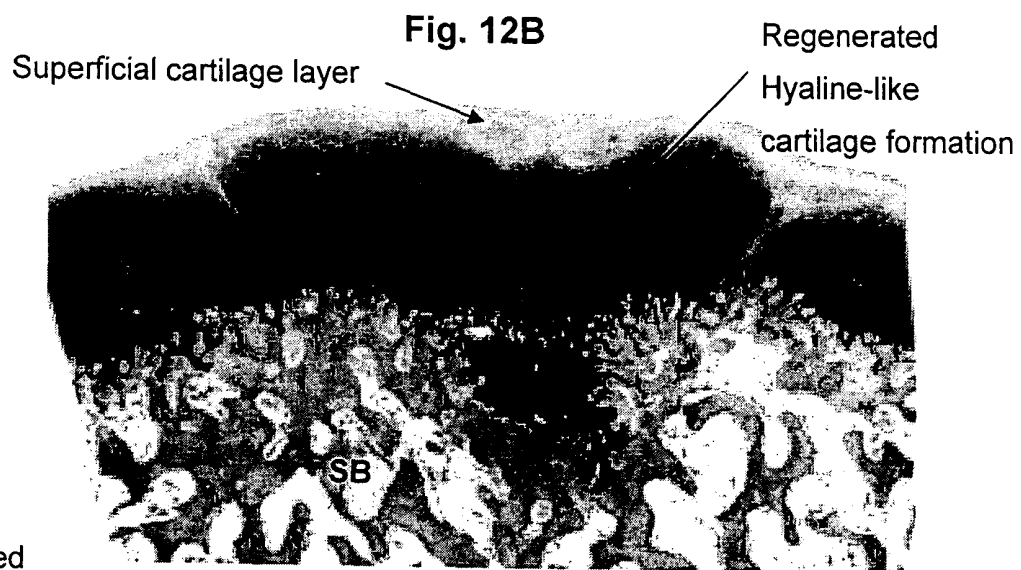
Fig. 11C



H: Host cartilage, D: Defect site, SB: Subchondral bone



H: Host cartilage, N: Porcine-NeoCart™ implant site, SB: Subchondral bone



Regenerated
Hyaline-like
cartilage

Fig. 12C



Fig. 12D

Cell integration



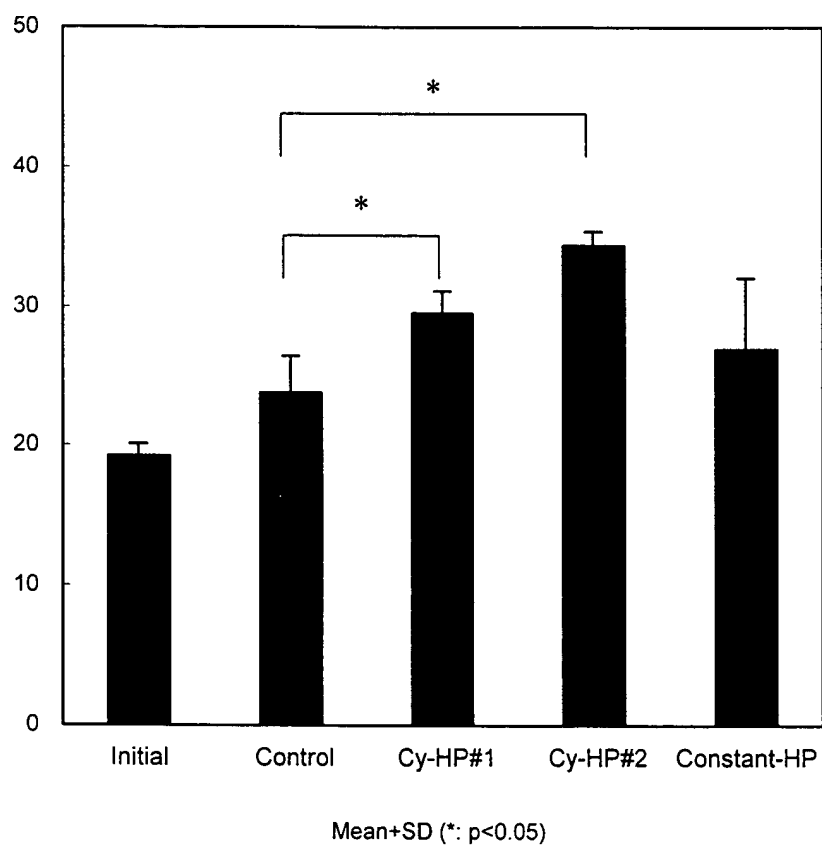
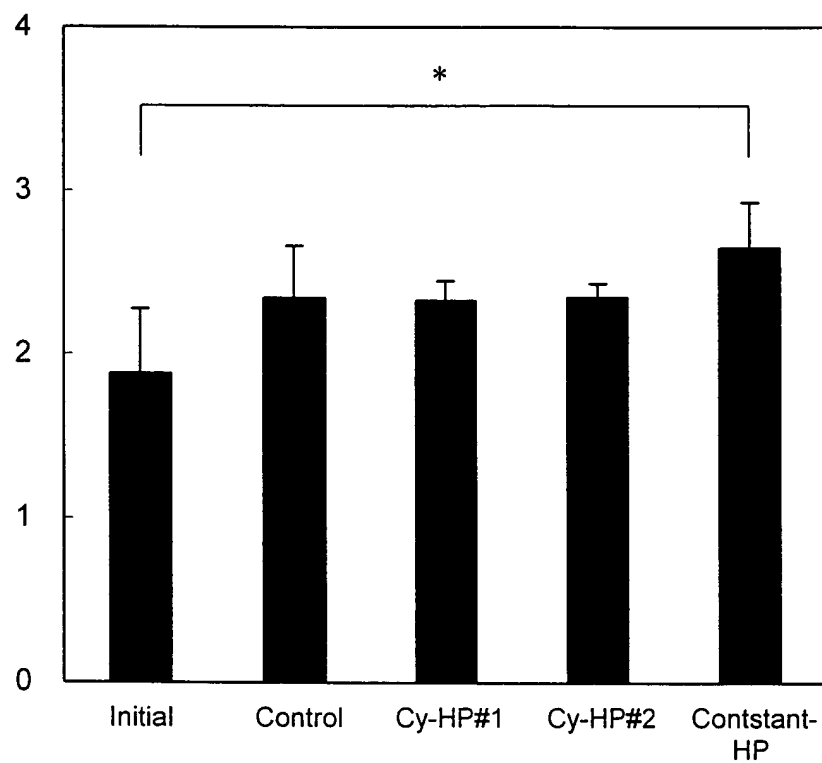
Fig. 13

Fig. ~~2~~ 14

Mean + SD (p<0.05)

¹⁵
Fig. 3A



¹⁵
Fig. 3B



¹⁵
Fig. 3C



¹⁵
Fig. 3D



¹⁵
Fig. 3E

